WHAT IS CLAIMED IS:

1   1.   A graphical user interface for displaying a menu on a display screen

2   on the basis of a predefined manipulation of an input device, comprising:

3   input device monitoring means for monitoring at least one of a location and

4   an actuation state of the input device; and

5   display control means for displaying a selected menu of a plurality of

6   menus on the basis of at least one of:

7   a number of consecutive actuations of the input device in a

8   predetermined time interval; and

9   a duration time of an actuation of the input device.

1   2.   A graphical user interface for displaying a menu on the display

2   screen on the basis of a predefined manipulation of an input device, comprising:

3   menu item management means for selecting and arranging items displayed

4   in each one of a plurality of menus;

5   receiving means for receiving an event alert message responsive to a

6   predefined manipulation of an input device; and

7   display control means for displaying a selected said menu on the basis of

8   a predefined number of event alert messages received within a predetermined time

9   interval, said display control means including at least one of an event alert counter and

10   an event alert timer, said event alert counter counting a number of event alert

11   messages received and said event alert timer timing a duration time of an actuation of

12   the input device.

1   3.   A graphical user interface according to claim 2, wherein a cursor

2   location parameter IParam, corresponding to a position of the input device, is

3   transmitted with each said event alert message,

4   said display control means verifying whether a difference between a first

5   IParam, corresponding to the location of the cursor when a first event alert message is

6   generated, is within a predefined distance D of a second IParam corresponding to the

7   location of the cursor when a second event alert message is generated;

8   wherein said event alert counter and said event alert timer are reset to

9   zero and said first and second event alert messages are not considered related events if

10   said difference exceeds said predefined distance D.

1   4.   A graphical user interface for displaying a menu on a display

2   screen and positioning a cursor on a particular portion of the menu on the basis of a

3   predefined manipulation of an input device, the menu including a plurality of menu

4   elements or commands which are grouped in a predefined manner, said graphical user

5   interface comprising:

6   input device monitoring means for monitoring at least one of a location

7   and an actuation state of the input device; and

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8   display control means for displaying the menu in response to a first

9   actuation of the input device, the menu being divided into a predetermined number of

10   regions, each said region corresponding to a particular group of menu elements;

11   wherein said display control means positions the cursor on a selected

12   said region of the menu on the basis of at least one of:

13   a number of consecutive actuations of an input device in a

14   predetermined time interval; and

15   a duration time of an actuation of the input device.

5.   A graphical user interface according to claim 4, wherein:

said input device monitoring means receives predefined event alert

messages in response to a predefined manipulation of an input device; and

said display control means positions the cursor on a selected said region

of the menu on the basis of a predefined number of event alert messages received

within a predetermined time interval.

1   6.   A graphical user interface according to claim 5, wherein a cursor

2   location parameter IParam, corresponding to a position of the input device, is

3   transmitted with each said event alert message,

4   said display control means includes at least one of an event alert counter

5   and an event alert timer, said event alert counter counting a number of event alert

6   messages received, and said event alert counter timing a duration time of an actuation

7   of the input device,

8   said display control means verifying whether a difference between a first

9   IParam, corresponding to the location of the cursor when a first event alert message is

10 generated, is within a predefined distance D of a second IParam corresponding to the

11 location of the cursor when a second event alert message is generated;

12 wherein said event alert counter and said event alert timer are reset to

13 zero and said first and second event alert messages are not considered related events if

14 said difference exceeds said predefined distance D.

7.   A computer system for displaying a selected menu on a display

screen on the basis of manipulation of an input device, comprising:

receiving means for receiving an event alert message from an operating

system, said event alert message alerting the occurrence of a particular manipulation

of an input device; and

6   display control means for displaying a selected said menu on the basis of

7   one of: a duration time of said particular manipulation calculated as a time difference

8   between receipt of a first event alert message and receipt of a second event alert

9   message, and a number of event alert messages received in a predetermined time

10 interval.

8.   A computer system according to claim 7, further comprising

menu item management means for selecting and arranging items displayed in each one

of a plurality of menus.

9.   A computer system according to claim 7, wherein a cursor

location parameter IParam is transmitted with each of said first and second event alert

messages, said cursor location parameter IParam including coordinates of a cursor

during generation of an event alert message;

said display control means includes at least one of an event alert counter

and an event alert timer, said event alert counter counting a number of event alert

messages received, and said event alert counter timing a duration time of an actuation

of the input device;

said display control means verifying whether a difference between a first

IParam, corresponding to the location of the cursor when said first event alert message

is generated, is within a predefined distance D of a second IParam corresponding to

the location of the cursor when said second event alert message is generated;

wherein said event alert counter and said event alert timer are reset to

zero and said first and second event alert messages are not considered related events if

said difference exceeds said predefined distance D.

1   10.   A computer readable storage medium storing a computer program

2   for displaying a menu on the display screen of computer on the basis of manipulation

3   of an input device, comprising:

4   program code means responsive to an event alert message from an

5   operating system of a computer upon a particular manipulation of an input device; and

6   program code means for displaying a selected menu on the basis of one

7   of: the number of event alert message received within a predetermined time interval

8   and a duration time corresponding to an actuation of said input device calculated as a

9   difference between receipt of a first event alert message and receipt of a second event

10   alert message.

1   11.   A computer readable storage medium according to claim 10, wherein

2   said computer program further comprises menu item management means for selecting and

3   arranging items displayed in each one of a plurality of menus.

1   12.   A computer readable storage medium according to claim 10, wherein

2   a cursor location parameter IParam is transmitted with each of said first and second event

3   alert messages, said location parameter IParam includes coordinates of a cursor

4   corresponding to a position of the input device;

5   said display control means includes at least one of an event alert counter

6   and an event alert timer, said event alert counter counting a number of event alert

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7   messages received, and said event alert counter timing a duration time of an actuation of

8   the input device;

9   said display control means verifying whether a difference between a first

10   IParam, corresponding to the location of the cursor when said first event alert message

11   is generated, is within a predefined distance D of a second IParam corresponding to the

12   location of the cursor when said second event alert message is generated;

13   wherein said event alert counter and said event alert timer are reset to zero

14   and said first and second event alert messages are not considered related events if said

15   difference exceeds said predefined distance D.